

Satellite Imagery Visualization System

Works with:

- AVHRR 1–km and 4–km data in NOAA Level 1B format**
- MAS in HDF format**
- Landsat (near future)**
- GOES (we're considering it)**

Functionality:

- with its internal "tile" format, the user can quickly move around in the image**
- ingests NMC global gridded T,q,wind data**
- will soon work with DAO GEOS assimilated data set**
- displays data from static maps that provide elevation**
 - land/water percentage**
 - IGBP ecosystem map**
- calculates viewing angles (solar zenith, viewing, relative azimuth, and scattering angles)**
- provides probability of sunglint based on viewing geometry**
- function to overlay lines, ellipses, circles, etc. (good for plotting aircraft flight tracks, seeing sonde stations)**
- interactive cloud mask utility**
- has database utility for collecting samples for AI classification techniques**
- also other utilities built specifically for use by CERES**

Availability: Just released!

- URL: <http://mistral.larc.nasa.gov/~vasanth>**
- Web page also contains user's guide, installation instructions, quick-start page, and more**